The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	<u>/0/706,892</u>
Source:	1,FWP
Date Processed by STIC:	11/29/04

# ENTERED



**IFWO** 

RAW SEQUENCE LISTING

DATE: 11/29/2004

PATENT APPLICATION: US/10/706,892

TIME: 11:20:57

Input Set : A:\45422311.app

```
3 <110 > APPLICANT: SHI, PEI-YONG
 5 <120> TITLE OF INVENTION: SCREENING FOR WEST NILE VIRUS ANTIVIRAL THERAPY
 7 <130> FILE REFERENCE: 454311-2231.1
 9 <140> CURRENT APPLICATION NUMBER: 10/706,892
10 <141> CURRENT FILING DATE: 2003-11-13
12 <150> PRIOR APPLICATION NUMBER: 60/427,117
13 <151> PRIOR FILING DATE: 2002-11-18
15 <160> NUMBER OF SEQ ID NOS: 28
17 <170> SOFTWARE: PatentIn Ver. 3.2
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 11029
21 <212> TYPE: DNA
22 <213> ORGANISM: West Nile virus
24 <400> SEQUENCE: 1
25 agtagttege etgtgtgage tgacaaactt agtagtgttt gtgaggatta acaacaatta 60
26 acadagtgcg agctgtttct tagcacgaag atctcgatgt ctaagaaacc aggagggccc 120
27 ggcaagagcc gggctgtcaa tatgctaaaa cgcggaatgc cccgcgtgtt gtccttgatt 180
28 ggactgaaga gggctatgtt gagcctgatc gacggcaagg ggccaatacg atttgtgttg 240
29 gctctcttgg cgttcttcag gttcacagca attgctccga cccgagcagt gctggatcga 300
30 tggagaggtg tgaacaaaca aacagcgatg aaacaccttc tgagttttaa gaaggaacta 360
32 accggaattg cagtcatgat tggcctgatc gccagcgtag gagcagttac cctctctaac 480
33 ttccaaggga aggtgatgat gacggtaaat gctactgacg tcacagatgt catcacgatt 540
34 ccaacagetg etggaaagaa eetatgeatt gteagageaa tggatgtggg atacatgtge 600
35 gatgatacta tcacttatga atgcccagtg ctgtcggctg gtaatgatcc agaagacatc 660
36 gactgttggt gcacaaagtc agcagtctac gtcaggtatg gaagatgcac caagacacgc 720
37 cactcaagac geagteggag gteactgaca gtgeagaeae aeggagaaag cactetageg 780
38 aacaagaagg gggcttggat ggacagcacc aaggccacaa ggtatttggt aaaaacagaa 840
39 teatggatet tgaggaacee tggatatgee etggtggeag eegteattgg ttggatgett 900
40 gggagcaaca ccatgcagag agttgtgttt gtcgtgctat tgcttttggt ggccccagct 960 \,
41 tacagettea actgeettgg aatgageaac agagaettet tggaaggagt gtetggagea 1020
42 acatgggtgg atttggttct cgaaggcgac agctgcgtga ctatcatgtc taaggacaag 1080
43 ectaceateg atgtgaagat gatgaatatg gaggeggeea acetggeaga ggteegeagt 1140
44 tattgctatt tggctaccgt cagcgatete tecaccaaag etgegtgeee gaccatggga 1200
45 gaageteaca atgacaaacg tgctgaceca gettttgtgt geagacaagg agtggtggae 1260
46 aggggctggg gcaacggctg cggattattt ggcaaaggaa gcattgacac atgcgccaaa 1320
47 tttgcctgct ctaccaaggc aataggaaga accatcttga aagagaatat caagtacgaa 1380
48 gtggccattt ttgtccatgg accaactact gtggagtcgc acggaaacta ctccacacag 1440
49 gttggagcca ctcaggcagg gagattcagc atcactcctg cggcgccttc atacacacta 1500
50 aagettggag aatatggaga ggtgacagtg gactgtgaac caeggtcagg gattgacacc 1560
51 aatgcatact acgtgatgac tgttggaaca aagacgttct tggtccatcg tgagtggttc 1620
52 atggacetea acetecettg gageagtget ggaagtaetg tgtggaggaa cagagagaeg 1680
53 ttaatggagt ttgaggaacc acacgccacg aagcagtctg tgatagcatt gggctcacaa 1740
```

PATENT APPLICATION: US/10/706,892

DATE: 11/29/2004 TIME: 11:20:57

Input Set : A:\45422311.app

			× .					
54	gagggagctc	tgcatcaagc	tttggctgga	gccattcctg	tggaattttc	aagcaacact	1800	
55	gtcaagttga	cgtcgggtca	tttgaagtgt	agagtgaaga	tggaaaaatt	gcagttgaag	1860	
56	ggaacaacct	atggcgtctg	ttcaaaggct	ttcaagtttc	ttgggactcc	cgcagacaca	1920	
57	ggtcacggca	ctgtggtgtt	ggaattgcag	tacactggca	cggatggacc	ttgtaaagtt	1980	
58	cctatctcgt	cagtggcttc	attgaacgac	ctaacgccag	tgggcagatt	ggtcactgtc	2040	
59	aacccttttg	tttcagtggc	cacggccaac	gctaaggtcc	tgattgaatt	ggaaccaccc	2100	
60	tttggagact	catacatagt	ggtgggcaga	ggagaacaac	agatcaatca	ccattggcac	2160	
61	aagtctggaa	gcagcattgg	caaagccttt	acaaccaccc	tcaaaggagc	gcagagacta	2220	
62	gccgctctag	gagacacagc	ttgggacttt	ggatcagttg	gaggggtgtt	cacctcagtt	2280	
63	gggaaggctg	tccatcaagt	gttcggagga	gcattccgct	tactgttcgg	aggcatgtcc	2340	
64	tggataacgc	aaggattgct	gggggctctc	ctgttgtgga	tgggcatcaa	tgctcgtgat	2400	
65	aggtccatag	ctctcacgtt	tctcgcagtt	ggaggagttc	tgctcttcct	ctccgtgaac	2460	
66	gtgcacgctg	acactgggtg	tgccatagac	atcagccggc	aagagctgag	atgtggaagt	2520	
67	ggagtgttca	tacacaatga	tgtggaggct	tggatggacc	gatacaagta	ttaccctgaa	2580	
68	acgccacaag	gcctagccaa	gatcattcag	aaagctcata	aggaaggagt	gtgcggtcta	2640	
69	cgatcagttt	ccagactgga	gcatcaaatg	tgggaagcag	tgaaggacga	gctgaacact	2700	
70	cttttgaagg	agaatggtgt	ggaccttagt	gtcgtggttg	aqaaacaqqa	gggaatgtac	2760	
71	aagtcagcac	ctaaacgcct	caccgccacc	acqqaaaaat	tqqaaattqq	ctggaaggcc	2820	
72	tggggaaaga	gtattttatt	tgcaccagaa	ctcgccaaca	acacctttgt	ggttgatggt	2880	
73	ccggagacca	aggaatgtcc	gactcaqaat	cqcqcttqqa	atagettaga	agtggaggat	2940	
74	tttggatttg	gtctcaccag	cactcggatq	ttcctqaaqq	tcagagagag	caacacaact	3000	
75	gaatgtgact	cgaagatcat	tggaacggct	qtcaaqaaca	acttqqcqat	ccacagtgac	3060	
. 76	ctgtcctatt	ggattgaaag	caggeteaat	gatacqtqqa	agettgaaag	ggcagttctg	3120	
77	ggtgaagtca	aatcatgtac	qtqqcctqaq	acqcatacct	tataaaacaa	tggaatcctt	3180	
78	gagagtgact	tgataatacc	agtcacactg	gcgggaccac	gaagcaatca	caatcggaga	3240	
79	cctgggtaca	agacacaaaa	ccaqqqccca	taggacgaag	gccgaataaa	gattgacttc	3300	
80	gattactgcc	caggaactac	ggtcaccctg	agtgagaget	gcggacaccg	tggacctgcc	3360	
81	actcgcacca	ccacagagag	cqqaaaqttq	ataacagatt	ggtgctgcag	gagetgeace	3420	
82	ttaccaccac	tgcgctacca	aactgacagc	aactattaat	atogtatoga	gatcagacca	3480	
83	cagagacatg	atgaaaagac	cctcqtqcaq	tcacaagtga	atgettataa	tgctgatatg	3540	
84	attgaccctt	ttcaqttqqq	ccttctaatc	atattettaa	ccacccagga	ggtccttcgc	3600	
85	aaqaqqtqqa	caqccaaqat	cagcatgcca	gctatactga	ttactctact	agtcctggtg	3660	
86	tttqqqqqca	ttacttacac	tgatgtgtta	cactatata	tettaataaa	ggcagctttc	3720	
87	gcagaatcta	attcgggagg	agacgtggta	cacttagcac	tcatggcgag	cttcaagata	3780	
88	caaccagtgt	ttatggtggc	atcotttctc	aaaaccaacat	adaccaacca	ggagaacatt	3040	
89	ttattaatat	tagagagtat	tttctttcaa	atggcttatc	accatacca	ccaaattctg	3040	
90	ctctgggaga	tecetgatgt	gttgaattca	ctagacataa	cttggatgat	actgagagcc	3900	
91	ataacattca	caacgacatc	aaacataatt	attacactac	tagggtggt	accegagagee	4020	
92	ctgagatgct	tgaatgtgga	tatatacaaa	atactcatat	tastaataa	aataggcagc	4020	
93	ttgatcaggg	agaagaggag	tacaactaca	acactgctgt	garggregg	aataggcagc	4080	
94	actictagect	caacaccact	tttgaaggg	ataataatta	gageaageet	gctatgcttg	4140	
95	gatcccaacc	ataaaaaaa	atagagagaa	acgacccccg	tasasastat	gattacatgt	4200	
96	tttaccatca	tagaaagaat	arggeeegea	actgaagtga	tgacagetgt	cggcctgatg	4260	
97	ategerages	tastatttas	taatttaat	gacartgact	ccauggccat	tccaatgact	4320	
97	gagagaaggg	gggagatttg	atagasast	atttetggga	aatcaacaga	tatgtggatt	4380	
<i>3</i> 0	gayayaacyg	agattastas	tastasss	yatgcagaaa	ttacaggete	gagcgaaaga	4440	
シラ 100	gurgargryc Ltagaagatat	ggeregatga	rgarggaaac	receagerea	rgaatgatcc	aggagcacct	4500	
100 tggaagatat ggatgeteag aatggtetgt etegegatta gtgegtaeae eeeetgggea 4560 101 atettgeeet eagtagttgg attttggata aeteteeaat acaeaaagag aggaggegtg 4620								
101	ttataaaaa	. cagtagttgg	acccggata	actetecaat	acacaaagag	aggaggcgtg	4620	
102	ctgtgggaCa	Colocoloaco	aaayyaytac	aaaaaggggg	acacgaccac	cggcgtctac	4680	

DATE: 11/29/2004 PATENT APPLICATION: US/10/706,892 TIME: 11:20:57

Input Set : A:\45422311.app

103	aggatcatga	ctcgtgggct	gctcggcagt	tatcaagcag	gagcgggcgt	gatggttgaa	4740
				aaaggagccg			
105	cgcctggacc	catactgggg	cagtgtcaag	gaggatcgac	tttgttacgg	aggaccctgg	4860
106	aaattgcagc	acaagtggaa	cgggcaggat	gaggtgcaga	tgattgtggt	ggaacctggc	4920
107	aagaacgtta	agaacgtcca	gacgaaacca	ggggtgttca	aaacacct <u>g</u> a	aggagaaatc	4980
				acatcaggct			
				gtcataatgc			
				ccaatcccag			
				ctccatcccg			
				aacagaagac			
113	ccaaccaggg	ttgtggctgc	tgagatggct	gaagcactga	gaggactgcc	catccggtac	5340
				ggaaatgaga			
				cacagggtgc			
116	atggatgagg	ctcatttcac	cgacccagct	agcattgcag	caagaggtta	catttccaca	5520
117	aaggtcgagc	taggggaggc	ggcggcaata	ttcatgacag	ccaccccacc	aggcacttca	5580
118	gatccattcc	cagagtccaa	ttcaccaatt	tccgacttac	agactgagat	cccggatcga	5640
119	gcttggaact	ctggatacga	atggatcaca	gaatacaccg	ggaagacggt	ttggtttgtg	5700
				ctttgcctac			
				gagtacccaa			
				atgggggcta			
123	attgacagcc	ggaagagtgt	gaaaccaacc	atcataacag	aaggagaagg	gagagtgatc	5940
				agtgccgccc			
				tgttatgggg			
				atcatgctgg			
127	ggactgatcg	ctcaattcta	ccaaccagag	cgtgagaagg	tatataccat	ggatggggaa	6180
				tttctggaac			
				gctggagtgt			
130	tgctttgatg	gtcctaggac	aaacacaatt	ttagaagaca	acaacgaagt	ggaagtcatc	6360
131	acgaagcttg	gtgaaaggaa	gattctgagg	ccgcgctgga	ttgacgccag	ggtgtactcg	6420
				ttcgcctcgg			
				cacttcatgg			
134	gacaccatgt	acgttgtggc	cactgcagag	aaaggaggaa	gagctcacag	aatggccctg	6600
135	gaggaactgc	cagatgctct	tcagacaatt	gccttgattg	ccttattgag	tgtgatgacc	6660
136	atgggagtat	tcttcctcct	catgcagcgg	aagggcattg	gaaagatagg	tttgggaggc	6720
137	gctgtcttgg	gagtcgcgac	ctttttctgt	tggatggctg	aagttccagg	aacgaagatc	6780
138	gccggaatgt	tgctgctctc	ccttctcttg	atgattgtgc	taattcctga	gccagagaag	6840
				gtgttcctga			
				ctagataaga			
141	ttgtttgggc	aaagaattga	ggtcaaggag	aatttcagca	tgggagagtt	tcttctggac	7020
				gctgtgacaa			
143	ctaaagcatt	tgatcacgtc	agattacatc	aacacctcat	tgacctcaat	aaacgttcag	7140
144	gcaagtgcac	tattcacact	cgcgcgaggc	ttccccttcg	tcgatgttgg	agtgtcggct	7200
145	ctcctgctag	cagccggatg	ctggggacaa	gtcaccctca	ccgttacggt	aacagcggca	7260
146	acactccttt	tttgccacta	tgcctacatg	gttcccggtt	ggcaagctga	ggcaatgcgc	7320
				atgaagaacg			
148	gccacggacg	tcccagaatt	agagcgcacc	acacccatca	tgcagaagaa	agttggacag	7440
				gtagtagtga			
				gcggtgacgc			
151	tctgtttgga	acgcaacaac	tgccatcgga	ctctgccaca	tcatgcgtgg	gggttggttg	7620

DATE: 11/29/2004 PATENT APPLICATION: US/10/706,892 TIME: 11:20:57

Input Set : A:\45422311.app

152	tcatgtctat	ccataacatg	gacactcata	aagaacatgg	aaaaaccagg	actaaaaaga	7680
153	ggtggggcaa	aaggacgcac	cttgggagag	gtttggaaag	aaagactcaa	ccagatgaca	7740
154	aaagaagagt	tcactaggta	ccgcaaagag	gccatcatcg	aagtcgatcg	ctcagcagca	7800
155	aaacacgcca	ggaaagaagg	caatgtcact	ggagggcatc	cagtctctag	gggcacagca	7860
156	aaactgagat	ggctggtcga	acggaggttt	ctcgaaccgg	tcggaaaagt	gattgacctt	7920
157	ggatgtggaa	gaggcggttg	gtgttactat	atggcaaccc	aaaaaagagt	ccaagaagtc	7980
158	agagggtaca	caaagggcgg	tcccggacat	gaagagcccc	aactagtgca	aagttatgga	8040
			gagtggggtg				
			cggagagtcc				
			ggttgaggac				
162	gtgaaggtgc	tctgccccta	catgccgaaa	gtcatagaga	agatggagct	gctccaacgc	8280
163	cggtatgggg	ggggactggt	cagaaaccca	ctctcacgga	attccacgca	cgagatgtat	8340
			caatgtggta				
165	ctaggaagaa	tggaaaaaag	gacctggaag	ggaccccaat	acgaggaaga	tgtaaacttg	8460
			gggaaaaccc				
167	aacaggattg	aacgactcag	gcgtgagtac	agttcgacgt	ggcaccacga	tgagaaccac	8580
168	ccatatagaa	cctggaacta	tcacggcagt	tatgatgtga	agcccacagg	ctccgccagt	8640
			caggctcctc				
170	accaccatgg	ccatgactga	cactactccc	ttcgggcagc	agcgagtgtt	caaagagaag	8760
171	gtggacacga	aagctcctga	accgccagaa	ggagtgaagt	acgtgctcaa	cgagaccacc	8820
172	aactggttgt	gggcgttttt	ggccagagaa	aaacgtccca	gaatgtgctc	tcgagaggaa	8880
173	ttcataagaa	aggtcaacag	caatgcagct	ttgggtgcca	tgtttgaaga	gcagaatcaa	8940
174	tggaggagcg	ccagagaggc	agttgaagat	ccaaaatttt	gggagatggt	ggatgaggag	9000
			ggaatgtcac				
176	gagaaaaaac	ccggagagtt	cggaaaggcc	aagggaagca	gagccatttg	gttcatgtgg	9120
177	ctcggagctc	gctttctgga	gttcgaggct	ctgggttttc	tcaatgaaga	ccactggctt	9180
178	ggaagaaaga	actcaggagg	aggtgtcgag	ggcttgggcc	tccaaaaact	gggttacatc	9240
179	ctgcgtgaag	ttggcacccg	gcctgggggc	aagatctatg	ctgatgacac	agctggctgg	9300
180	gacacccgca	tcacgagagc	tgacttggaa	aatgaagcta	aggtgcttga	gctgcttgat	9360
181	ggggaacatc	ggcgtcttgc	cagggccatc	attgagctca	cctatcgtca	caaagttgtg	9420
182	aaagtgatgc	gcccggctgc	tgatggaaga	accgtcatgg	atgttatctc	cagagaagat	9480
183	cagaggggga	gtggacaagt	tgtcacctac	gccctaaaca	ctttcaccaa	cctggccgtc	9540
184	cagctggtga	ggatgatgga	aggggaagga	gtgattggcc	cagatgatgt	ggagaaactc	9600
185	acaaaaggga	aaggacccaa	agtcaggacc	tggctgtttg	agaatgggga	agaaagactc	9660
186	agccgcatgg	ctgtcagtgg	agatgactgt	gtggtaaagc	ccctggacga	tcgctttgcc	9720
187	acctcgctcc	acttcctcaa	tgctatgtca	aaggttcgca	aagacatcca	agagtggaaa	9780
188	ccgtcaactg	gatggtatga	ttggcagcag	gttccatttt	gctcaaacca	tttcactgaa	9840
189	ttgatcatga	aagatggaag	aacactggtg	gttccatgcc	gaggacagga	tgaattggta	9900
190	ggcagagctc	gcatatctcc	aggggccgga	tggaacgtcc	gcgacactgc	ttgtctggct	9960
191	aagtcttatg	cccagatgtg	gctgcttctg	tacttccaca	gaagagacct	gcggctcatg	10020
192	gccaacgcca	tttgctccgc	tgtccctgtg	aattgggtcc	ctaccggaag	aaccacgtgg	10080
193	tccatccatg	caggaggaga	gtggatgaca	acagaggaca	tgttggaggt	ctggaaccgt	10140
194	gtttggatag	aggagaatga	atggatggaa	gacaaaaccc	cagtggagaa	atggagtgac	10200
195	gtcccatatt	caggaaaacg	agaggacatc	tggtgtggca	gcctgattgg	cacaagagcc	10260
196	cgagccacgt	gggcagaaaa	catccaggtg	gctatcaacc	aagtcagagc	aatcatcgga	10320
197	gatgagaagt	atgtggatta	catgagttca	ctaaagagat	atgaagacac	aactttggtt	10380
198	gaggacacag	tactgtagat	atttaatcaa	ttgtaaatag	acaatataag	tatgcataaa	10440
199	agtgtagttt	tatagtagta	tttagtggtg	ttagtgtaaa	tagttaagaa	aattttgagg	10500
200	agaaagtcag	gccgggaagt	tcccgccacc	ggaagttgag	tagacggtgc	tgcctgcgac	10560

**RAW SEQUENCE LISTING**PATENT APPLICATION: **US/10/706.892**DATE: 11/29/2004

TIME: 11:20:57

Input Set : A:\45422311.app

```
201 tcaaccccag gaggactggg tgaacaaagc cgcgaagtga tccatgtaag ccctcagaac 10620
202 cgtctcggaa ggaggacccc acatgttgta acttcaaagc ccaatgtcag accacgctac 10680
203 ggcgtgctac tctgcggaga gtgcagtctg cgatagtgcc ccaggaggac tgggttaaca 10740
204 aaggcaaacc aacgccccac gcggccctag ccccggtaat ggcgttaacc agggcgaaag 10800
205 qactaqaqqt taqaqqaqac cccqcqqttt aaaqtqcacq gcccaqcctq qctqaaqctq 10860
206 taggtcaggg gaaggactag aggttagtgg agaccccgtg ccacaaaaca ccacaacaaa 10920
207 acagcatatt gacacctggg atagactagg agatcttctg ctctgcacaa ccagccacac 10980
208 ggcacagtgc gccgacaatg gtggctggtg gtgcgagaac acaggatct
211 <210> SEQ ID NO: 2
212 <211> LENGTH: 11029
213 <212> TYPE: DNA
214 <213> ORGANISM: West Nile virus
216 <400> SEQUENCE: 2
217 agtagttege etgtgtgage tgacaaactt agtagtgttt gtgaggatta acaacaatta 60
218 acacagtgcg agctgtttct tagcacgaag atctcgatgt ctaagaaacc aggagggccc 120
219 ggcaagagcc gggctgtcaa tatgctaaaa cgcggaatgc cccgcgtgtt gtccttgatt 180
220 qqactqaaqa qqqctatqtt qaqcctqatc qacgqcaagg ggccaatacg atttgtgttg 240
221 getetettgg egttetteag gtteacagea attgeteega eeegageagt getggatega 300
222 tggagaggtg tgaacaaaca aacagcgatg aaacaccttc tgagttttaa gaaggaacta 360
223 gggacettga ecagtgetat caateggegg ageteaaaac aaaagaaaag aggaggaaag 420
224 accggaattg cagtcatgat tggcctgatc gccagcgtag gagcagttac cctctctaac 480
225. ttccaaggga aggtgatgat gacggtaaat gctactgacg tcacagatgt catcacgatt 540
226 ccaacagctg ctggaaagaa cctatgcatt gtcagagcaa tggatgtggg atacatgtgc 600
227 gatgatacta tcacttatga atgcccagtg ctgtcggctg gtaatgatcc agaagacatc 660
228 gactgttggt gcacaaagtc agcagtctac gtcaggtatg gaagatgcac caagacacgc 720
229 cactcaagac gcagtcggag gtcactgaca gtgcagacac acggagaaag cactctagcg 780
230 aacaagaagg gggcttggat ggacagcacc aaggccacaa ggtatttggt aaaaacagaa 840
231 tcatggatct tgaggaaccc tggatatgcc ctggtggcag ccgtcattgg ttggatgctt 900
232 gggagcaaca ccatgcagag agttgtgttt gtcgtgctat tgcttttggt ggccccagct 960
233 tacagettea actgeettgg aatgageaac agagaettet tggaaggagt gtetggagea 1020
234 acatgggtgg atttggttet egaaggegae agetgegtga etateatgte taaggaeaag 1080
235 cctaccatcg atgtgaagat gatgaatatg gaggeggeea acctggeaga ggteegeagt 1140
236 tattgctatt tggctaccgt cagcgatctc tccaccaaag ctgcgtgccc gaccatggga 1200
237 gaageteaca atgacaaacg tgetgaceca gettttgtgt geagacaagg agtggtggac 1260
238 aggggctggg gcaacggctg cggactattt ggcaaaggaa gcattgacac atgcgccaaa 1320
239 tttgcctgct ctaccaaggc aataggaaga accatcttga aagagaatat caagtacgaa 1380
240 gtggccattt ttgtccatgg accaactact gtggagtcgc acggaaacta ctccacacag 1440
241 gttggagcca ctcaggcagg gagattcagc atcactcctg cggcgccttc atacacacta 1500
242 aagettggag aatatggaga ggtgacagtg gactgtgaac cacggtcagg gattgacacc 1560
243 aatgcatact acgtgatgac tgttggaaca aagacgttct tggtccatcg tgagtggttc 1620
244 atggacetea accteeettg gageagtget ggaagtactg tgtggaggaa cagagagaeg 1680
245 ttaatqqaqt ttqaqqaacc acacqccacq aaqcagtctg tgatagcatt gggctcacaa 1740
246 gagggagete tgeateaage tttggetgga gecatteetg tggaatttte aageaacaet 1800
247 gtcaagttga cgtcgggtca tttgaagtgt agagtgaaga tggaaaaatt gcagttgaag 1860
248 ggaacaacct atggcgtctg ttcaaaggct ttcaagtttc ttgggactcc cgcagacaca 1920
249 ggtcacggca ctgtggtgtt ggaattgcag tacactggca cggatggacc ttgtaaagtt 1980
250 cctatctcgt cagtggcttc attgaacgac ctaacgccag tgggcagatt ggtcactgtc 2040
251 aaccettttg tttcagtggc cacggecaac getaaggtee tgattgaatt ggaaccacce 2100
252 tttggagact catacatagt ggtgggcaga ggagaacaac agatcaatca ccattggcac 2160
```

VERIFICATION SUMMARY

DATE: 11/29/2004

PATENT APPLICATION: US/10/706,892

TIME: .11:20:58

Input Set : A:\45422311.app